Programme of the Galapagos Science Symposium

	TIME	TITLE	AUTHORS*
Chair:	09:00 - 10:00	Turning points in evolution.	Irenaeus Eibl-Eibesfeldt
Matthias	10:00 - 11:00	Research on evolutionary principles in Galapagos:	Carlos Valle
Wolff		an overview of the past 50 years.	
	11:00 - 11:30	Coffee Break	
Morning	11:30 - 12:30	Collecting evolution: the untold story of the	Matthew James
		vindication of Charles Darwin by the 1905-06	
		Galapagos expedition of the California Academy of	
		Sciences.	
	12:30 - 14:00	Lunch	
Chair:	14:00 - 15:00	Evolution of the human society at Galapagos since	Christophe Grenier
Sharon		the first colonizers until today.	
Deem	15:00 - 15:15	Coffee Break	
	15:15 - 15:35	Evolution of pathogens of Galapagos birds.	Patricia G. Parker
	15:35 - 15:55	Evolution in 3 dimensions – biodiversity of pelagic	<u>Holger Auel</u> & Silke
		midwater and deep-sea communities.	Laakmann
	15:55 - 16:15	What Darwin found convincing in Galapagos, and	William Durham
Afternoon	Salicher Chicatolic vicini Modil Modernian	why it matters.	
	16:15 - 16:35	General Discussion	
	16:35 - 17:00	Coffee Break	
	17:00 - 17:20	Popularization of evolution to kids.	Nicolás Cuvi
	17:20 - 17:40	Using molecular markers to define conservation	<u>Patricia Jaramillo</u> , Rachel
		management strategies: the critically endangered	Atkinson, Frank Cipriano &
	HUU 92899 99040HN 17990W0	Calandrinia galapagosa from San Cristobal island.	Jefreys Málaga
	17:40 - 18:00	Distribution and taxonomic composition of	
		zooplankton in the Galapagos Marine Reserve.	Matthias Wolff & Stuart
			Banks

^{*} The name of the author who gives the presentation is underlined

TUESDAY	TUESDAY, JULY 21: Biodiversity Monitoring			
	TIME	TITLE	AUTHORS*	
Chair:	09:00 - 10:00	Galapagos biodiversity – what we still do <i>not</i> know	Frank Bungartz, P. Jaramillo,	
Diego		about life on the Enchanted Isles.	H. Herrera, G. Jiménez, D.	
Ruiz			Ruiz, N. Tirado & F.	
			Ziemmeck	
Morning	10:00 - 11:00	Biodiversity of the Galapagos Marine Reserve:	Rodrigo Bustamante	
4002		status of the present knowledge.	NAME OF THE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER	
	11:00 - 11:30	Coffee Break		
	11:30 - 12:30	Methodological approaches for biodiversity	James Gibbs	

		monitoring: challenges and pitfalls.	
	12:30 - 14:00	Lunch	
Chair: Anne Guezou	14:00 - 14:20	Distribution of avian pox in Galapagos.	Gustavo Jiménez Uzcátegui, David A. Wiedenfeld, Patricia Parker, Nicole Gottdenker & F. Hernán Vargas
	14:20 - 14:40	Distribution and abundance of <i>Cetaceans</i> off the Ecuadorian continental coast and in the Galapagos Marine Reserve.	<u>Judith Denkinger</u> , Annika Krutwa, Godfrey Merlen & Sandie Salazar
	14:40 - 15:00	Monitoring species to detect and predict impact of global change: case of the birds monitoring program in France.	Celine Teplitsky
	15:00 - 15:15	Coffee Break	77 87 97 97
	15:15 - 15:35	Health status of the coral communities of the northern Islands: Darwin, Wolf and Marchena of the Galapagos archipelago.	Mariana Vera & Stuart Banks
Afternoon	15:35 - 15:55	Satellites, seabirds and seals - a 25 year retrospective.	Gene Carl Feldman
	15:55 - 16:15	Quantifying the freshwater dynamics: a key to hydro-ecology understanding in Galapagos.	Noemi d'Ozouville, M. Trueman, S. Rea, S. Violette, A. Pryet, G. de Marsily & B. Deffontaines
	16:15 - 16:35	Impacts of Urchin diversity on Algal Biomass in the Galapagos Marine Reserve (GMR).	Margarita Brandt, Jon D. Witman & Angel Chiriboga
	16:35 - 17:00 17:00 - 17:20	Coffee Break Monitoring ecological change in the Galapagos ecosystem: benefits and challenges of using seabirds as bio-indicators.	<u>Kyra L. Mills</u> & William J. Sydeman
	17:20 - 17:40	Ecological status of a mangrove-fringed lagoon in SE Asia affected by human activities.	Inga Nordhaus, Simon Geist, Saskia Hinrichs, Tim Jennerjahn & Edy Yuwono
	17:40 - 18:00	Distribution of larvae of spiny lobster in the Galapagos Marine Reserve (GMR)	<u>Jerson Moreno</u> & Eduardo Espinoza

WEDNES	WEDNESDAY, JULY 22: Understanding System Resilience: quantification and modeling			
	of system dynamics			
	TIME	TITLE	AUTHORS*	
Morning	09:00 - 12:00	Field trip to El Chato tortoise reserve		
	12:30 - 14:00	Lunch		
Chair:	14:00 - 15:00	The role of modeling in conservation science. Uta Berger		
Matthias	15:00 - 15:15	Coffee Break		
Wolff	15:15 - 16:15	How to measure system resilience – comparing marine and terrestrial systems.		
	16:15 - 16:35	Connectivity and upwelling dynamics in the Galapagos Marine Reserve (GMR).	John M. Morrison, Stuart Banks, Daniel Kamykowski,	

Afternoon			Lian Xie & Gene Feldman
	16:35 - 17:00	Coffee Break	
	17:00 - 17:20	Testing trophic cascades in the Galapagos Marine	Jon D. Witman, Margarita
		Reserve (GMR): an experimental approach.	Brandt & Laura E. Dee
	17:20 - 17:40	Effects of herbivory intensity and productivity on	Luis R. Vinueza, Diego J. Ruiz
		species richness, diversity and biomass of primary	& Bruce A. Menge
		producers on Galapagos rocky shore communities.	-
	17:40 - 18:00	Shark movements and the design of protected	James Ketchum, Alex Hearn,
		pelagic environments within and beyond the	George Shillinger, Eduardo
		Galapagos Marine Reserve.	Espinoza, César Peñaherrera
		深 发	& Peter Klimley

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THURSDAY, JULY 23: The Need to Reconcile Biodiversity Conservation with Socio-				
	economic Development			
	TIME	TITLE	AUTHORS*	
Chair:	09:00 - 10:00	The needs and limits for economic valuation of	R.Costanza & Marjan van den	
Mark		biodiversity conservation.	Belt	
Gardener	10:00 - 11:00	Tapping the potential of coastal communities for	H. Govan	
		improving livelihoods and conservation in Pacific.		
Morning	11:00 – 11:30	Coffee Break		
	11:30 - 12:30	The role of education programs to foster Nature	Christian Nielsen	
		conservation - what has been learned?		
NAME OF THE OWNER OWNER OF THE OWNER OWNE	12:30 - 14:00	Lunch		
Chair:		CONCURRENT SESSION 1: Population-Environment		
Carlos F.		Interactions in the Galapagos Islands		
Mena	14:00 - 14:20	Why Galapagos is not a social-ecological system.	Christophe Grenier	
	14:20 - 14:40	Visitor Management in the Galapagos National	Gunther Reck	
		Park: a tool to improve biodiversity conservation?		
	14:40 - 15:00	Vulnerability and resilience of the Galapagos	<u>Diego Quiroga</u> , Carlos F.	
		society: implications of social, economic, and	Mena, Haruna Suzuki &	
		cultural capital to exogenous shocks	Alexander Guevara	
	15:00 - 15:15	Coffee Break		
A.C.	15:15 - 15:35	Invasive species in the Galapagos Islands: thinking	Laura Brewington & Amy L.	
Afternoon	45.05.45.55	beyond biophysical explanations.	McCleary	
	15:35 - 15:55	Demographic and social data needs for the	Ronald R. Rindfuss	
	15:55 - 16:15	Galapagos Archipelago.	Carlos F. Mena	
	15:55 - 16:15	Urban change in the Galapagos Islands: assessment	Carlos F. Iviena	
		and implications to the human-environmental		
	16:15 - 16:35	system. Complexity theory and spatial simulation models to	Stephen J. Walsh	
	10.13 - 10.33	assess population-environment interactions in the	Stephen J. Waish	
		Galapagos Islands.		
	16:35 - 17:00	Coffee Break		
	17:00 - 18:00	Both concurrent sessions in plenary discussion		
Chair:	17.00 - 18.00	CONCURRENT SESSION 2:		
Felipe	14:00 - 14:20	Interdisciplinary research upon an exploited	Karen Diele	
Cruz	14.00 14.20	mangrove crab and first steps towards successful	Karen biele	
CIUL		mangrove crab and mist steps towards successful		

		co-management in North Brazil.	
	14:20 - 14:40	Sense of place and environmentally responsible	Nicole M. Ardoin
	14.20 - 14.40		Weble W. Ardoll
	6 12 10504 NOON SECTION	behavior at an ecoregional scale.	
	14:40 - 15:00		
	15:00 - 15:15	Coffee Break	
	15:15 - 15:35	Environmental education in the Galapagos: Where	Carl M. Stepath
		do we go from here?	•3
Afternoon	15:35 - 15:55	Socio-ecological systems and biochemical fluxes in	Mercy J. Borbor-Cordova,
		the Galapagos Islands.	Alisha Fernandez & Elizabeth
		, ,	Holland
	15:55 - 16:15	Increasing the capacity of local actors to manage	Neil Collier, Marieke Sandker,
		complex social-ecological systems: application of	Stephen T. Garnett, <u>Arturo</u>
		scoping models in the Galapagos Islands.	Izurieta, Jeff Sayer & Bruce
			M. Campbell
	16:15 - 16:35	Flood control: how tourism brought globalization	William Durham
		to Galapagos and must now Help control it.	
	16:35 - 17:00	Coffee Break	
	17:00 - 18:00	Both concurrent sessions in plenary discussion	

FRIDAY,	FRIDAY, JULY 24: Restoration of Ecosystems: concepts and tools for self-sustaining			
	systems			
	TIME	TITLE	AUTHORS*	
Chair:	09:00 - 10:00	Restoration of degraded systems: possibilities and	Richard Hobbs	
Grant		limits.		
Harper	10:00 - 11:00	An ecosystem approach to marine restoration.	Mike Elliott	
	11:00 - 11:30	Coffee Break		
Morning	11:30 - 12:30	Eradication programs worldwide and their success:	Felipe Cruz	
		an overview.		
	12:30 - 14:00	Lunch		
Chair:	14:00 - 14:20	Anthropogenic effects on the ecosystem of the	<u>Kazuto Kawakami</u> , Hajime	
Rachel		Bonin Islands and its restoration.	Suzuki & Isamo Ohkochi	
Atkinson	14:20 - 14:40	Towards optimal management of the invasive	Jorge Luis Renteria	
		Rubus niveus for habitat restoration in the		
		Galapagos.		
	14:40 - 15:00	Finding a sustainable approach for managing an	<u>Jacqueline</u> St.Quinton, M.	
		invasive 'Protean' species in the Galapagos	Ingrouille, M. Fay and J.	
	archipelago: A study of Rubus niveus.		Nicklin	
	15:00 - 15:15	Coffee Break	e2 225 A2 2007 (9-27) (2-	
	15:15 - 15:35	The alien flora of the inhabited areas of Galapagos:	Anne Guézou & Mandy	
		practical solutions to reduce the risk of invasion	Trueman	
		into the National Park.		
	15:35 - 15:55	A trophic model of the Bolivar Channel for	<u>Diego Ruiz</u> & Matthias Wolff	
		conservation strategies.		
A C:	15:55 - 16:15	Invasion and control of the introduced quinine tree	Heinke Jäger, Ingo Kowarik &	
Afternoon		in Galapagos: long-term impacts on the native	Alan Tye	
	10.45 40.35	vegetation of Santa Cruz Island.	Name of State Programs 1.5	
	16:15 - 16:35	Successful eradication of feral cats from sub-	<u>Marthán Bester</u> , J.P.	

	antarctic Marion Island, southern Indian Ocean.	Bloomer, R.J. van Aarde, B.H. Erasmus, P.J.J. van Rensburg, J.D. Skinner, P.G. Howell & T.W. Naude
16:35 - 17:00	Coffee Break	1.vv. Nadac
17:00 - 17:20	Marine protected areas in Latin America: is the Galapagos Marine Reserve leading marine conservation initiatives in the region?	<u>Paulina Guardas</u> , Sally D. Hacker & J. Lubchenco
17:20 - 17:40	Palaeoecology of the Galapagos Islands: applications to modern conservation management.	Cynthia A. Froyd, Katherine J. Willis, Emily E. Coffey, Alistair Seddon, Jacqueline F.N. van Leeuwen, W.O. van der Knaap, & Alan Tye
17:40 - 18:00		,

POSTER P	POSTER PAPERS			
TOSTERT	TITLE	AUTHORS*		
1	Preparing for climate change impacts on the Galapagos: from scientific knowledge to adaptation strategies.	<u>Noemi dÓzouville</u> , F. Ortiz, G. Di Carlo & E. Pidgeon		
2	A novel multi-proxy approach for determining baseline ecological conditions: a case study of the Galapagos Islands	Emily E. Coffey, Katharine J. Willis & Cynthia A. Froyd		
3	How to harvest the Galapagos sea cucumber stock? - Lessons learnt from a decade of unsustainable fishing.	Matthias Wolff, Mauricio Castrejon & <u>Anna</u> <u>Schuhbauer</u>		
4	Habitat preferences of the juvenile sea cucumber Isostichopus fuscus in Fernandina Island, Galapagos.	Priscilla C. Martinez		
5	The first marine reserve in mainland Ecuador: Galera-San Francisco, Esmeraldas Province. What can we learn from Galapagos?	Soledad Luna, Pippa Heylings & Maria Cristina Puente		
6	Preliminary data from the first GPS tracking study of giant Galapagos tortoises.	Stephen Blake & Martin Wikelski		
7	A realistic restoration endpoint for degraded highlands of Galapagos.	Mark Gardener & Rachel Atkinson		
8	Successful experience of involving childhood, science and ecosystem complexity at the Galapagos Islands.	Nathalia Tirado, Reyna Oleas, Karla Markley & Karina Bautista		
9	Economic value of biodiversity through traceability.	Elias Mulugeta		
10	Mapping terrestrial anthropogenic degradation on	Mandy Trueman, James Watson, Marta		
	the inhabited islands of the Galapagos archipelago.	Tufet, Scott Henderson & Rachel atkinson		
11	Feeding ecology of the green sea turtle, Chelonia	Javier A. Carrión, P. Zárate & J.A. Seminoff		
257 100	mydas, in the Galapagos Islands.	357 10 6000		
12	Enhancing student learning and awareness of	Kevin Kinney		
	ecological and environmental issues.			
13	Investigating temporal changes in Galapagos	John Paul Tiernan		